

judging similarity of each action made by said first and second command means; and

maintaining said shifting of said amount of movement when said first and second command means are alternately activated and said similarity is found by said step of judging similarity.

B4 --13. (Twice Amended) The control method of a display apparatus according to claim 10, wherein said displayed position of said second image is set outside an effective area of said display screen.--

REMARKS

Claims 1, 2, 5, 9, 10, and 13 remain in the application and have been amended hereby. Claims 3, 4, 6-8, 11, 12, and 14-16 have been canceled, without prejudice or disclaimer.

The title of the invention has been changed to read -- A CONTROL APPARATUS HAVING PLURALITY OF COMMAND MEANS FOR SMOOTHLY MOVING A SUB-SCREEN ON A MAIN SCREEN --, as requested in the Office Action at paragraph 3.

Claims 7, 8, 15, and 16 have been canceled, thereby rendering the rejection thereof moot.

Reconsideration is respectfully requested of the rejection of claims 1, 2, 7/2, 8/2, 4-6, 7/3, 7/5, 8/3, 8/5, 9,

10, 15/10, 16/10, and 12-16 under 35 USC 112, second paragraph, as being indefinite.

Pending claims 1, 2, 5, 9, 10, and 13 have been amended to give every element proper antecedent basis and to amend the term "similarity and/or non-similarity" to --similarity--.

Accordingly, it is respectfully submitted that amended claims 1, 2, 5, 9, 10, and 13 are clear and definite in their recitation of the present invention and meet all requirements of 35 USC 112.

Claim 7 has been canceled, thereby rendering the rejection thereof moot.

Reconsideration is respectfully requested of the rejection of claims 3, 5/3, 6/5, 6/3, 11, 13/11, 14/13, and 14/11 under 35 USC 102(b), as being anticipated by Canfield et al.

Claims 3, 6, 11 and 14 have been canceled, thereby rendering the rejection thereof moot.

Claims 5 and 13 are the only remaining dependent claims in the application and their rejection will be addressed below.

Reconsideration is respectfully requested of the rejection of claims 1, 2, 7/2, 8/2, 9, 10, 15/10, and 16/10 under 35 USC 102(b), as being anticipated by Sombroek et al.

Claims 7, 8, 15, and 16 have been canceled, thereby rendering the rejection thereof moot.

Features of the present invention are a first command

means (e.g. up-directed button) and a second command means (e.g. left-directed button). When either command means is activated continuously the amount of adjustment is shifted and when, for example, the first command means is activated continuously and then the second command means is activated, the shifted amount is maintained when a judged similarity is found. See page 8, lines 16-24 of the present application, for example.

Amended independent apparatus claims 1 and 2, and the corresponding method claims 9 and 10, have been amended to recite these features of the present invention.

Sombroek et al. shows how a cursor is moved at one speed for a first time period and then accelerates to a second speed after the first time period has elapsed. It is respectfully submitted that Sombroek et al. fails to show or suggest maintaining a shifting of a second amount equal to a first amount when first and second command means are alternately activated and judged similarly.

Accordingly, it is respectfully submitted that amended independent claims 1, 2, 9, and 10, and the claims depending therefrom, are patentably distinct over Sombroek et al.

Reconsideration is respectfully requested of the rejection of claims 3, 4, 5, 7/3, 7/5, 8/3, 8/5, 11, 12, 13, 15/11, 15/13, 16/11, and 16/13 under 35 USC 102(b), as being anticipated by Sombroek et al.

Claims 5 and 13 are the only remaining dependent claims in the application and depend from claims 2 and 10, respectively, whose rejection relative to Sombroek et al. has been discussed above and, at least for the same reasons, claims 5 and 13 are submitted to be patentably distinct over Sombroek et al.

With respect to Canfield et al. and amended dependent claims 5 and 13, their dependency has been changed to depend from claims 2 and 10, respectively. Because Canfield et al. is silent about maintaining a shifting of a second amount equal to a first amount when first and second command means are alternately activated and judged similarly, it is respectfully submitted that amended dependent claims 5 and 13 are patentably distinct over Canfield et al.

Claims 4 and 12 have been canceled, thereby rendering the rejection thereof moot.

The references cited as of interest have been reviewed and are not seen to show or suggest the present invention as recited in the amended claims.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE CLAIMS

Please amend claims 1, 2, 5, 9, 10, and 13 to read as follows and cancel claims 3, 4, 6-8, 11, 12, and 14-16 without prejudice or disclaimer.

--1. (Twice Amended) A control apparatus [a plurality of command means, and controlling equipment according to actions made by said plurality of command means] having at least a first command means to increase or decrease a first amount of adjustment and a second command means to increase or decrease a second amount of adjustment when activated and responsive to the alternate activation of said first and second command means, said control apparatus comprising:

means for shifting one of said first and second amounts of adjustment when one of said first command means and said second command means is activated continuously;

means for judging similarity [and/or non-similarity] of each action made by said [plurality of] first and second command means; and

means for [determining a response time for each of the actions made by said plurality of command means, wherein when said plurality of command means are activated alternately, and when said similarity is judged, said response time is modified]

maintaining said shifting of said second amount equal to said first amount when said first and second command means are alternately activated and said similarity is found by said means for judging similarity.

--2. (Twice Amended) [The control] A display apparatus [according to claim 1, wherein control is provided by the control apparatus] for displaying a second image [when the second image is displayed] together with a first image on a display screen[, such that a displayed position of said second image is controlled according to each of the actions made by said plurality of command means.] having a first command means to move said second image horizontally and a second command means to move said second image vertically when activated to control a position of said second image, said display apparatus comprising:

means for shifting an amount of movement of said second image when one of said first and second command means is activated continuously;

means for judging similarity of each action made by said first and second command means; and

means for maintaining said shifting of said amount of movement when said first and second command means are alternately activated and said similarity is found by said means for judging similarity.

--5. (Twice Amended) The [video equipment] display apparatus according to claim [3] 2, wherein [the] said displayed position of said second image [may be] is set outside an effective area of said display screen.

--9. (Twice Amended) A control method using [a plurality of command means and controlling equipment according to each action made by said plurality of] at least a first command means[,] to increase or decrease a first amount of adjustment and a second command means to increase or decrease a second amount of adjustment when activated and responsive to the alternate activation of said first and second command means, said control method comprising the steps of:

shifting one of said first and second amounts of adjustment when one of said first and second command means is activated continuously;

judging similarity [and/or non-similarity] of each action made by said [plurality of] first and second command means; and

[determining a response time for each of the actions made by said plurality of command means, wherein when said plurality of command means are activated alternately, and when said similarity is judged, said response time is modified.]

maintaining said shifting of said second amount equal to said first amount when said first and second command means are alternately activated and said similarity is found by said step of judging similarity.

--10. (Twice Amended) [The] A control method [according to claim 9, wherein the control of said equipment is control of] of a display apparatus for displaying a second image [with the second image displayed] together with a first image on a display screen [of the equipment, and where a displayed position of said second image is controlled according to each action made by said plurality of command means] having a first command means to move said second image horizontally and a second command means to move said second image vertically when activated to control a position of said second image, said control method comprising the steps of:

shifting an amount of movement of said second image when one of said first and second command means is activated continuously;

judging similarity of each action made by said first and second command means; and

maintaining said shifting of said amount of movement when said first and second command means are alternately activated and said similarity is found by said step of judging

similarity.

--13. (Twice Amended) The control method of [video equipment] a display apparatus according to claim [11] 10, [including setting the] wherein said displayed position of said second image is set outside an effective area of said display screen.--